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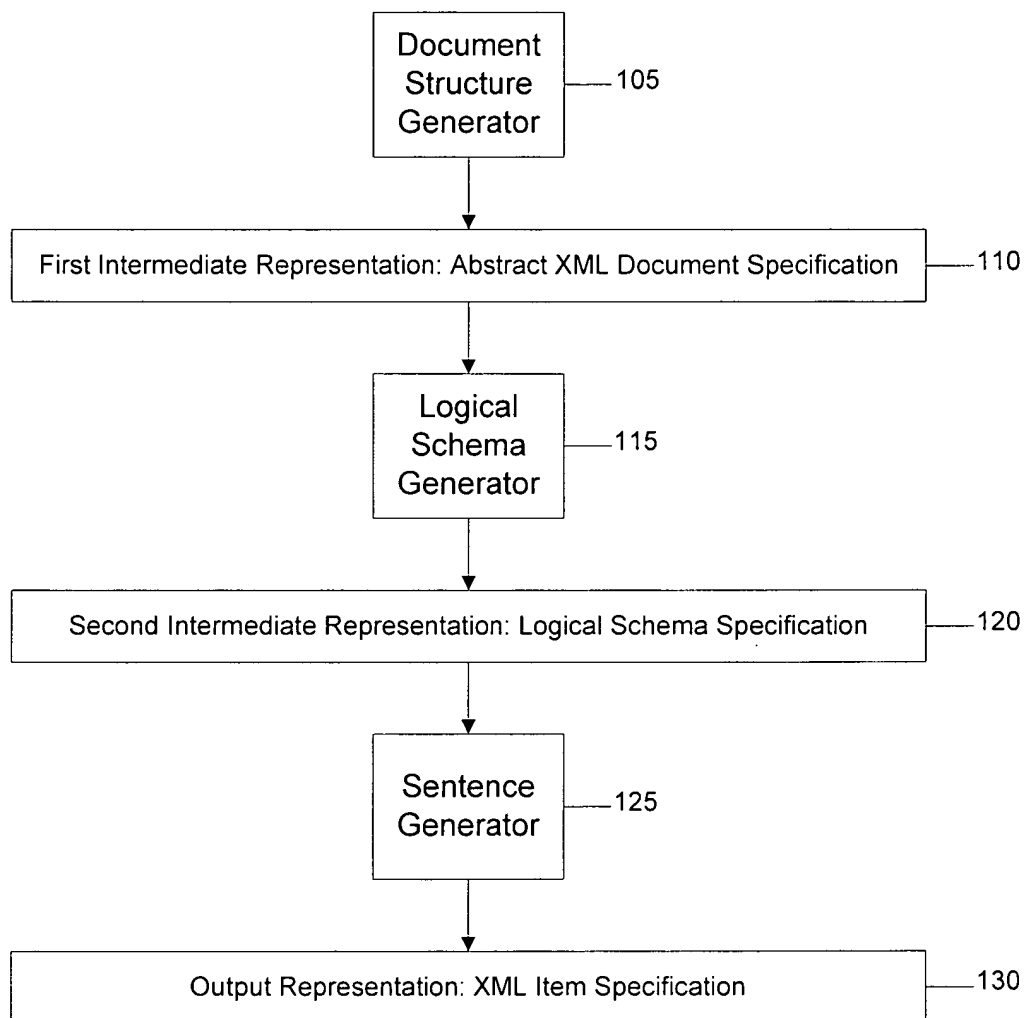


FIG. 1

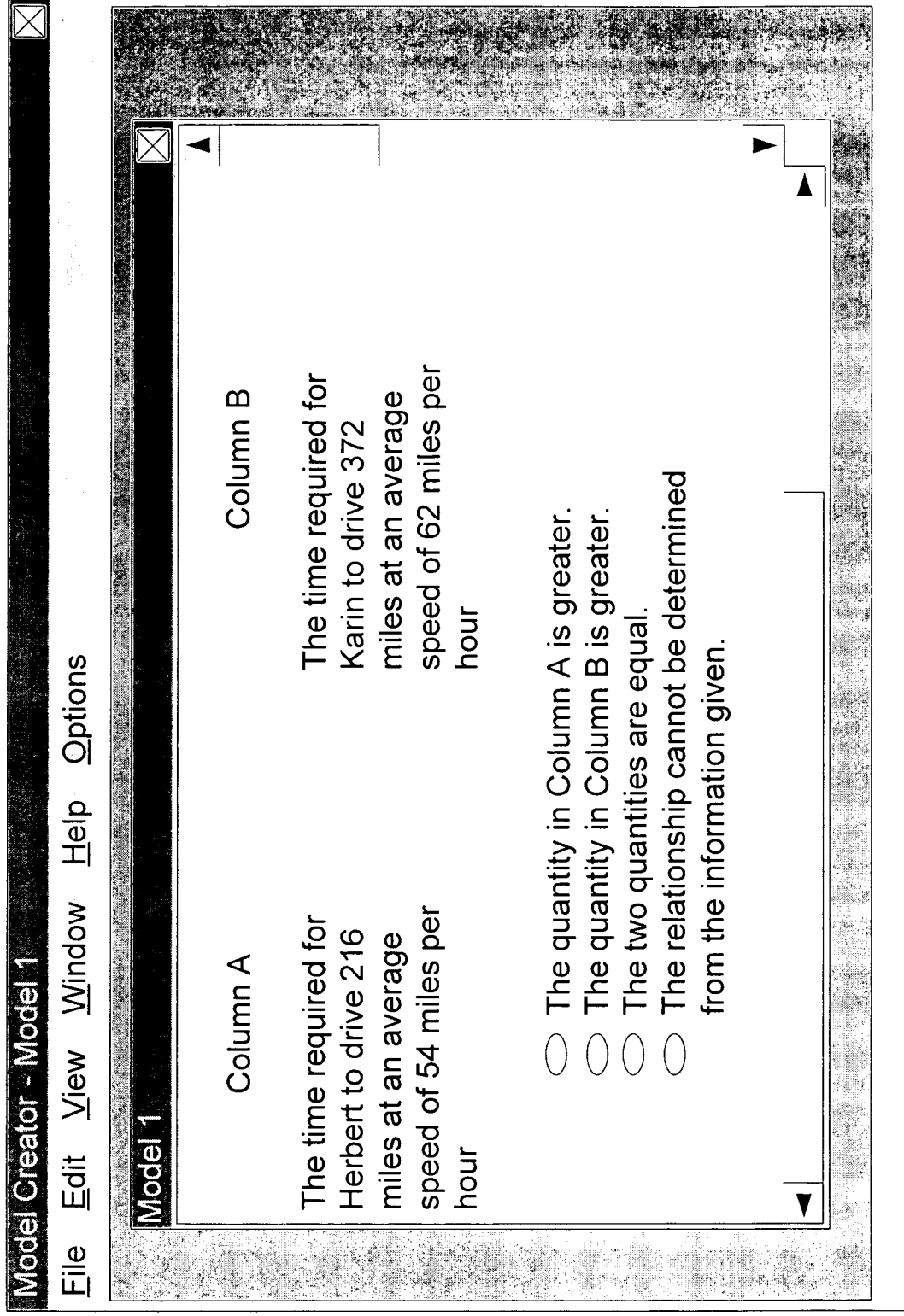


FIG. 2

Dialog

Solve For:  
(305)

Distance  
Rate  
Time

OK

Cancel

Format:  
(310)

No stem, A, B  
Stem, A query expression1, B constant  
Stem expression1, A expression2, B qu  
Stem, A query expression1, B query exp

Pattern:  
(315)

Human moves  
Vehicle moves  
Human moves vehicle  
Vehicle is moved

Structure:  
(320)

One event  
Two events

Language

Math

Units

FIG. 3

Language Details

# Distinct Vehicle Types (405)

1

2

Name: (410)

First Name

Last Name

Male First Name

Female First Name

Ethnic First Name

2nd Name: (410)

First Name

Last Name

Male First Name

Female First Name

Ethnic First Name

Type of Trip: (415)

Multiple Leg

Round Trip

Same Distance/Route

Same Distance

Same Speed

Same Time

Same Rate/Time

Same Rate/Distance

Same Distance/Time

Same Distance/Rate/Time

Normal

OK

Cancel

Express Route?

Straight Route?

Average Rate?

Constant Rate?

Express Endpoints?

Event Nouns?

Express Time by Clock?

Express Rate Definition?

Item Asks for Number?

Narrative?

Past Tense?

Give Summary Info?

Use Explicit Labels?

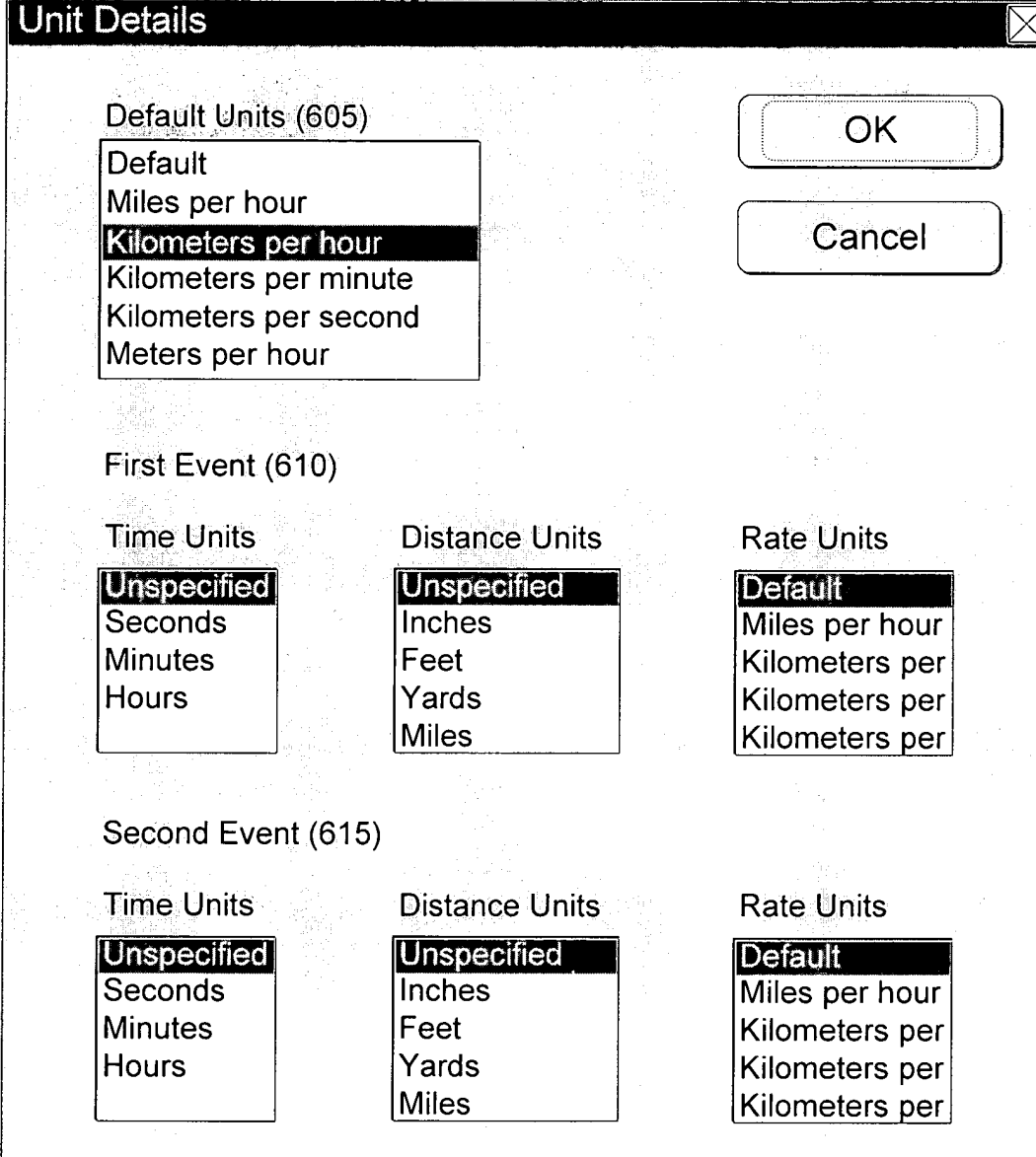
FIG. 4

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**Math Details** ✕

<b>First Event (505)</b>	<b>Key (520)</b>	<b>Unsp</b>			
Minimum Rate	<input type="text" value="50"/>		A		<input type="button" value="OK"/>
Maximum Rate	<input type="text" value="65"/>		B		
Rate Increment	<input type="text" value="1"/>		C		<input type="button" value="Cancel"/>
Minimum Time	<input type="text" value="1"/>		D		
Maximum Time	<input type="text" value="6"/>				
Time Increment	<input type="text" value="1"/>				
<b>Second Event (510)</b>					
Minimum Rate	<input type="text" value="50"/>			Constants (515) <input type="checkbox"/> Use these values	
Maximum Rate	<input type="text" value="65"/>			Time (event 1)	<input type="text" value="4"/>
Rate Increment	<input type="text" value="1"/>			Rate (event 1)	<input type="text" value="54"/>
Minimum Time	<input type="text" value="1"/>			Distance (event 1)	<input type="text" value="216"/>
Maximum Time	<input type="text" value="6"/>				
Time Increment	<input type="text" value="1"/>			Time (event 2)	<input type="text" value="6"/>
				Rate (event 2)	<input type="text" value="62"/>
				Distance (event 2)	<input type="text" value="372"/>
				Constant Time	<input type="text" value="5"/>
				Constant Rate	<input type="text" value="30"/>
				Constant Distance	<input type="text" value="50"/>

FIG. 5



The image shows a 'Unit Details' dialog box with a title bar and a close button. It contains three main sections: 'Default Units (605)', 'First Event (610)', and 'Second Event (615)'. Each section has a list of units and a set of buttons for 'Time Units', 'Distance Units', and 'Rate Units'. The 'Default Units' list includes 'Default', 'Miles per hour', 'Kilometers per hour' (highlighted), 'Kilometers per minute', 'Kilometers per second', and 'Meters per hour'. The 'First Event' and 'Second Event' sections each have three columns of unit lists. The 'Time Units' column in each event section includes 'Unspecified', 'Seconds', 'Minutes', and 'Hours'. The 'Distance Units' column includes 'Unspecified', 'Inches', 'Feet', 'Yards', and 'Miles'. The 'Rate Units' column includes 'Default', 'Miles per hour', 'Kilometers per', 'Kilometers per', and 'Kilometers per'. There are 'OK' and 'Cancel' buttons on the right side of the dialog box.

**Unit Details**

Default Units (605)

- Default
- Miles per hour
- Kilometers per hour**
- Kilometers per minute
- Kilometers per second
- Meters per hour

First Event (610)

Time Units

- Unspecified**
- Seconds
- Minutes
- Hours

Distance Units

- Unspecified**
- Inches
- Feet
- Yards
- Miles

Rate Units

- Default**
- Miles per hour
- Kilometers per
- Kilometers per
- Kilometers per

Second Event (615)

Time Units

- Unspecified**
- Seconds
- Minutes
- Hours

Distance Units

- Unspecified**
- Inches
- Feet
- Yards
- Miles

Rate Units

- Default**
- Miles per hour
- Kilometers per
- Kilometers per
- Kilometers per

OK

Cancel

FIG. 6